

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A  
SUBMISSION UNDER 35 U.S.C. 371**

187494/US

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

**10/567202**

INTERNATIONAL APPLICATION NO.

**PCT/CN2004/000887**

INTERNATIONAL FILING DATE

**02 August 2004 (02.08.2004)**

PRIORITY DATE CLAIMED

**06 August 2003 (06.08.2003)**

TITLE OF INVENTION

PVC HOLLOW FILTRATION MEMBRANE AND THE PREPARATION METHOD THEREOF

APPLICANT(S) FOR DO/EO/US

LIANGGANG CHEN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ had been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36

**Items 11 to 20. below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 –
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4)
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:

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U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold; text-align: center;">10/567202</div>		INTERNATIONAL APPLICATION NO. <div style="text-align: center;">PCT/CN2004/000887</div>		ATTORNEY'S DOCKET NUMBER <div style="text-align: center;">187494/US</div>	
21. The following fees have been submitted: <input checked="" type="checkbox"/> a) Basic national fee (37 CFR 1.492(a))..... \$300.00				CALCULATIONS \$ 300.00	PTO USE ONLY
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)--4)..... \$0.00 All other situations..... \$200.00				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)--4) \$0.00 Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority..... \$100.00 International Search Report prepared and provided to the Office ..... \$400.00 All other situations ..... \$500.00				\$ 500.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 1000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
6 - 100	0 /50 =	0	x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	7 -20 =	0	x \$50.00	\$0	
Independent claims	2 -3 =	0	x \$200.00	\$0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1000.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$500.00	
<b>SUBTOTAL =</b>				<b>\$500.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$0	
<b>TOTAL NATIONAL FEE =</b>				<b>\$500.00</b>	
Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$0	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$500.00</b>	
				<b>Amount to be refunded:</b>	\$
				<b>charged:</b>	\$

1AP20 Rec'd PCT/PTO 03 FEB 2006

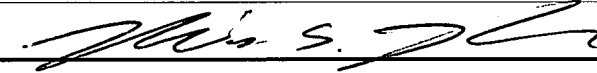
U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) <b>10/567202</b>	INTERNATIONAL APPLICATION NO. PCT/CN2004/000887	ATTORNEY'S DOCKET NUMBER 187494/US
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- a. ☒ A check in the amount \$500.00 to cover the above fees is enclosed.  
of
- b. ☐ Please charge my Deposit Account No. 04-1420 in the amount of \$\_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
Deposit Account No. 04-1420 A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO: CUSTOMER NUMBER **25763**

**Min (Amy) S. Xu**  
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Signature

**Min (Amy) S. Xu**

Name

**39,536**

Registration Number

**10/567202**

**1AP20 Res'd PCT/PTO 03 FEB 2006**

Attorney Docket No. 187494/US

Express Mail Label No. EV 688440505 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Lianggang Chen

Appln. No.: Not Yet Assigned

Filed: Herewith

For: PVC HOLLOW FILTRATION  
MEMBRANE AND THE PREPARATION  
METHOD THEREOF

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

1. Certificate of Mailing by Express Mail (2 pgs);
2. Transmittal Letter to the U.S. DO/EO/US Concerning a Filing under 35 U.S.C. § 371 (3 pgs);
3. Check in the amount of \$500.00 filing fee;
4. Application Data Sheet (1 pg);
5. Specification (4 pgs); Claims (1 pgs); Drawings (0 Sheets); Abstract (1 pg) (6 pgs total); English translation;
6. Copy of Int'l Pub. No. WO 2005/014150 A1 and copy Int'l Search Report as filed in Chinese;
7. Preliminary Amendment (3 pgs.);
8. Executed Oath and Declaration (2 pages);
9. Executed Power of Attorney (1 page);

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10. Submission under 37 C.F.R § 3.73(b) along with copy of Assignment (2 pgs); and
11. Return Postcard.

relating to the above application, were deposited as "Express Mail," Mailing Label No. EV 688440505 US with the United States Postal Service, addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this \_\_th day of February, 2006

Brian Ballard

( Mailer)



Signature of Mailer

DORSEY & WHITNEY LLP

USPTO Customer No. 25763